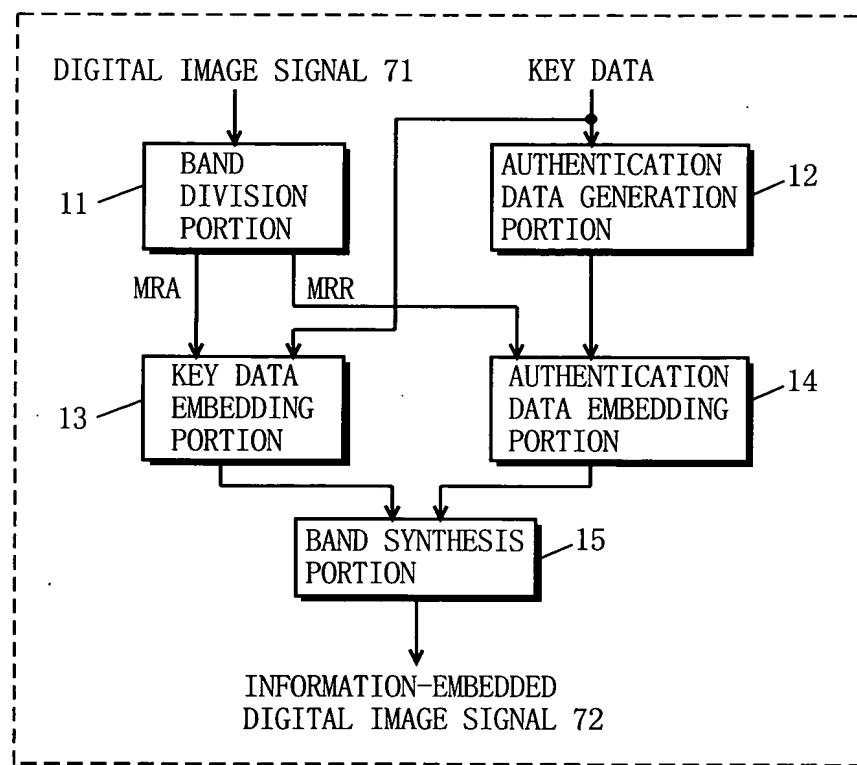


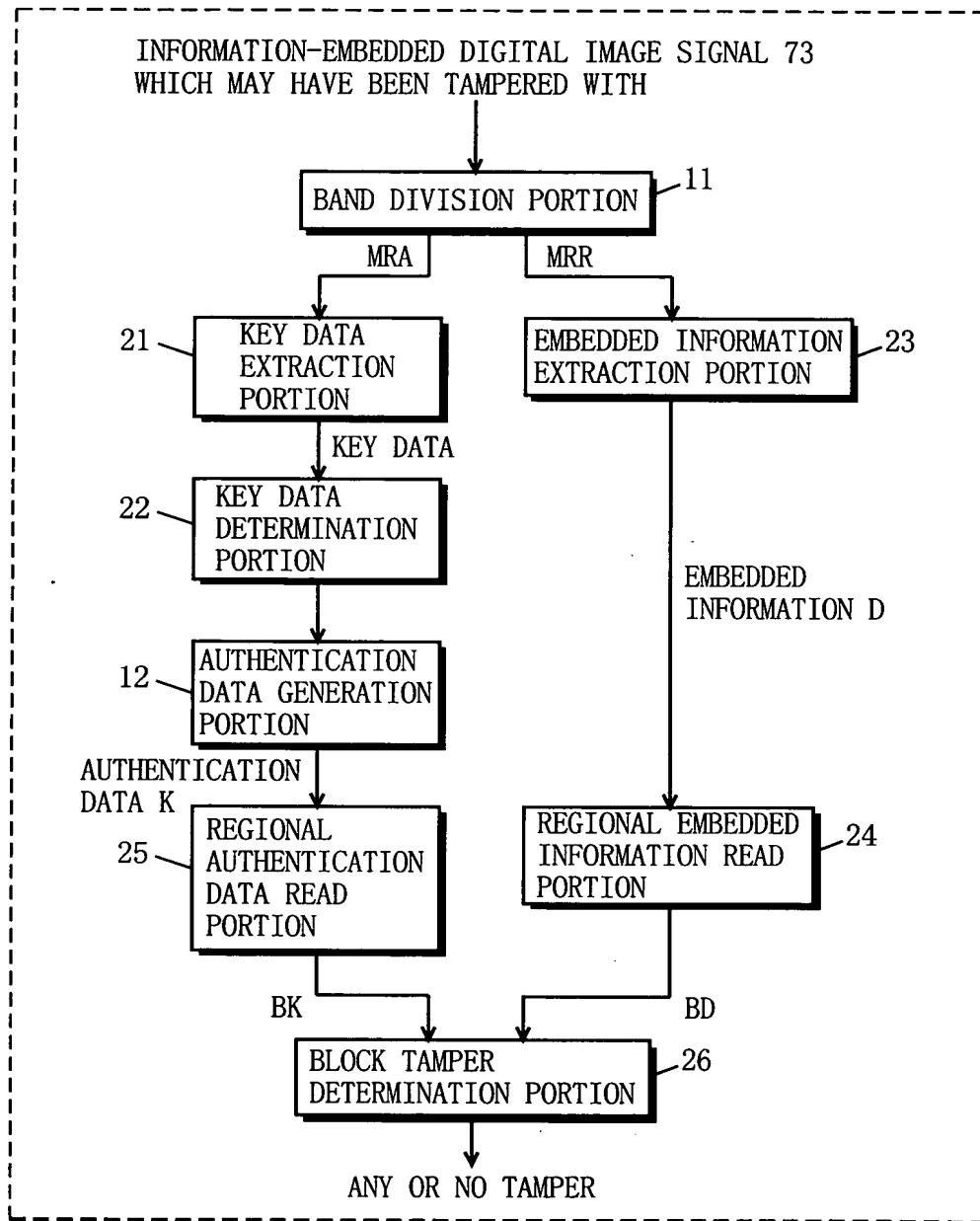
F I G. 1

TAMPER-DETECTION- INFORMATION  
EMBEDDING APPARATUS 1



F I G . 2

TAMPER DETECTING APPARATUS 2



F I G. 3

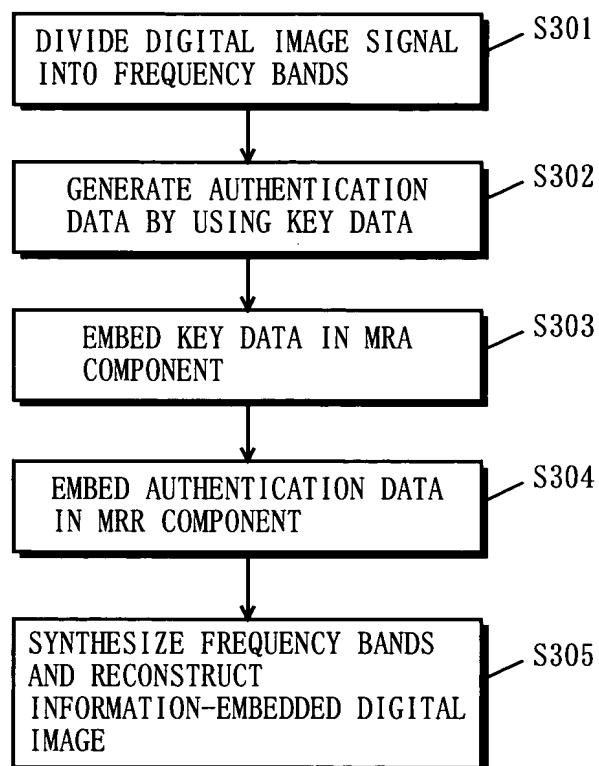
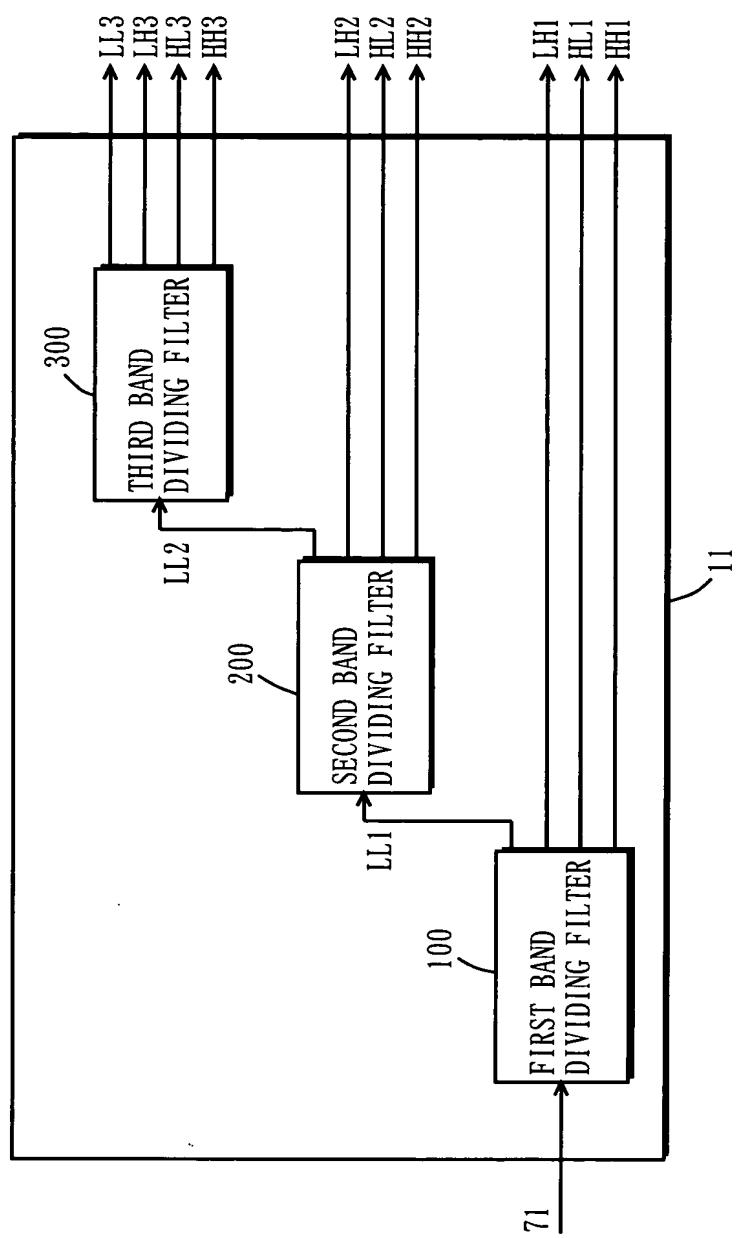


FIG. 4



F I G. 5

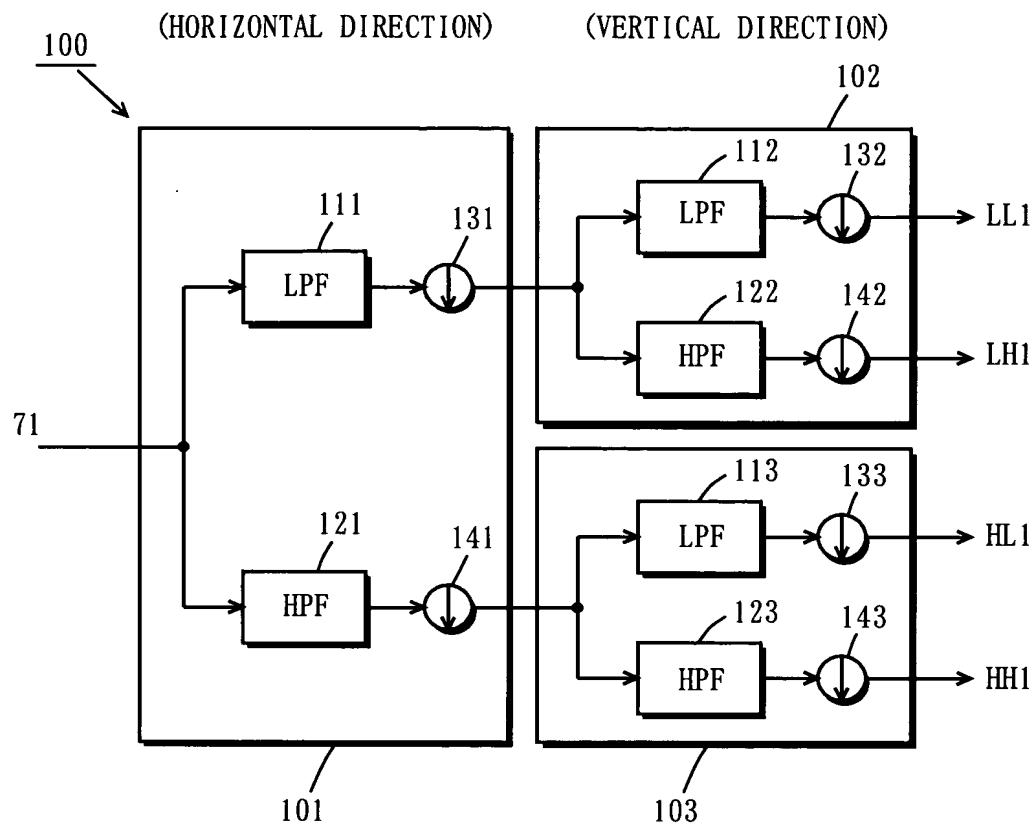
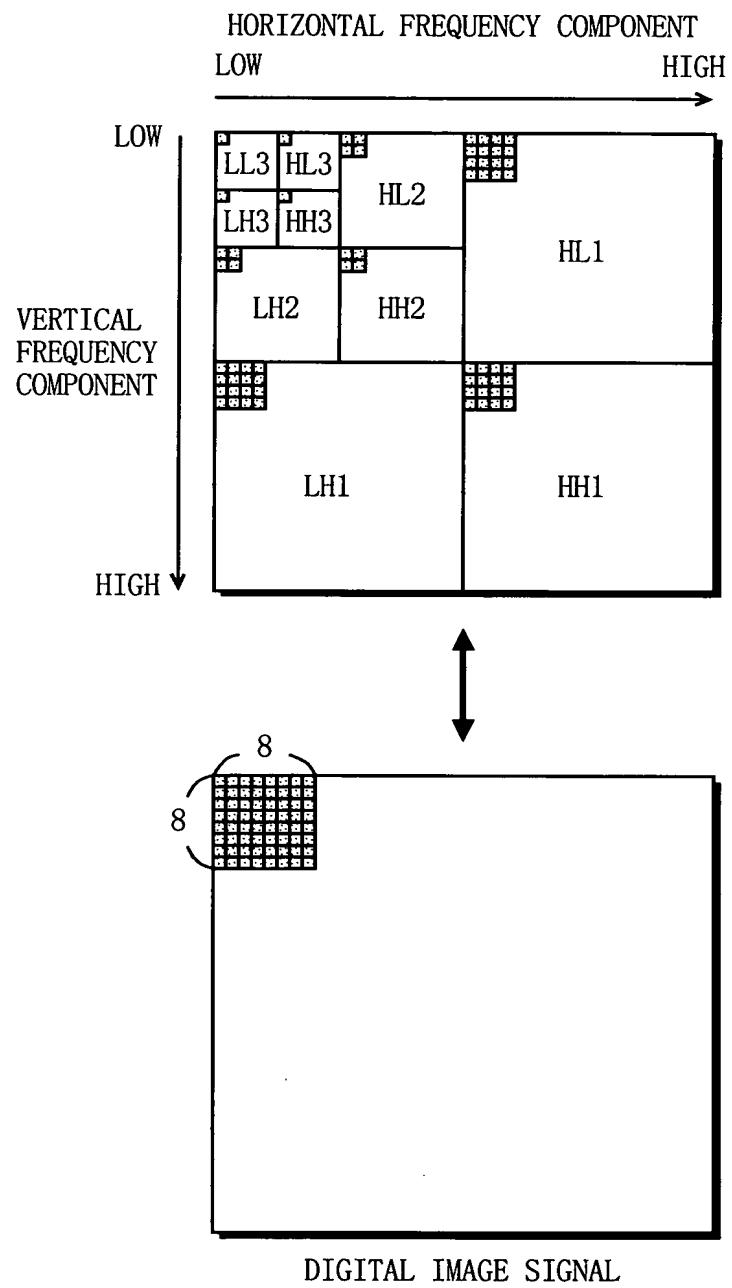


FIG. 6



F I G. 7

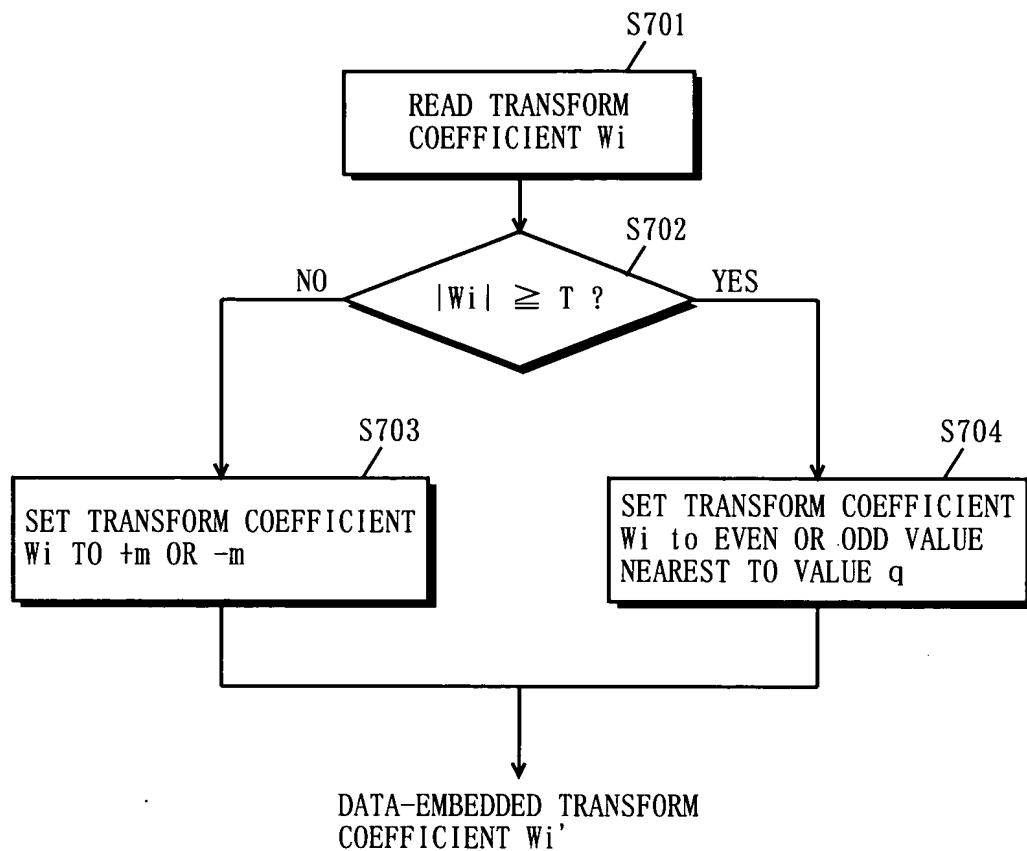
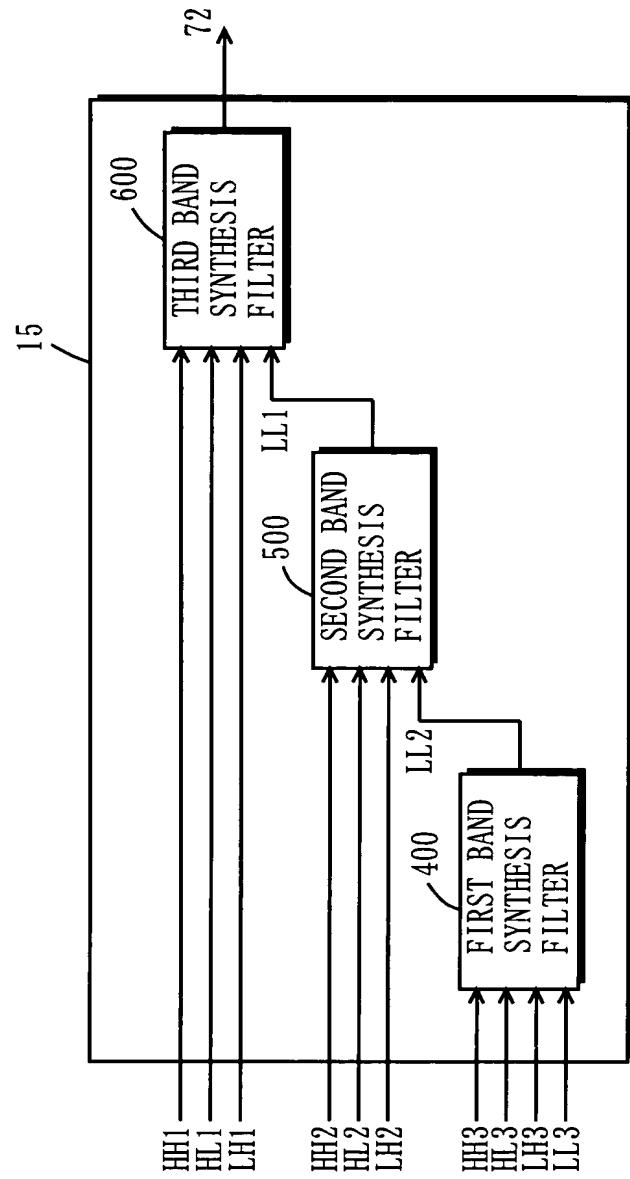
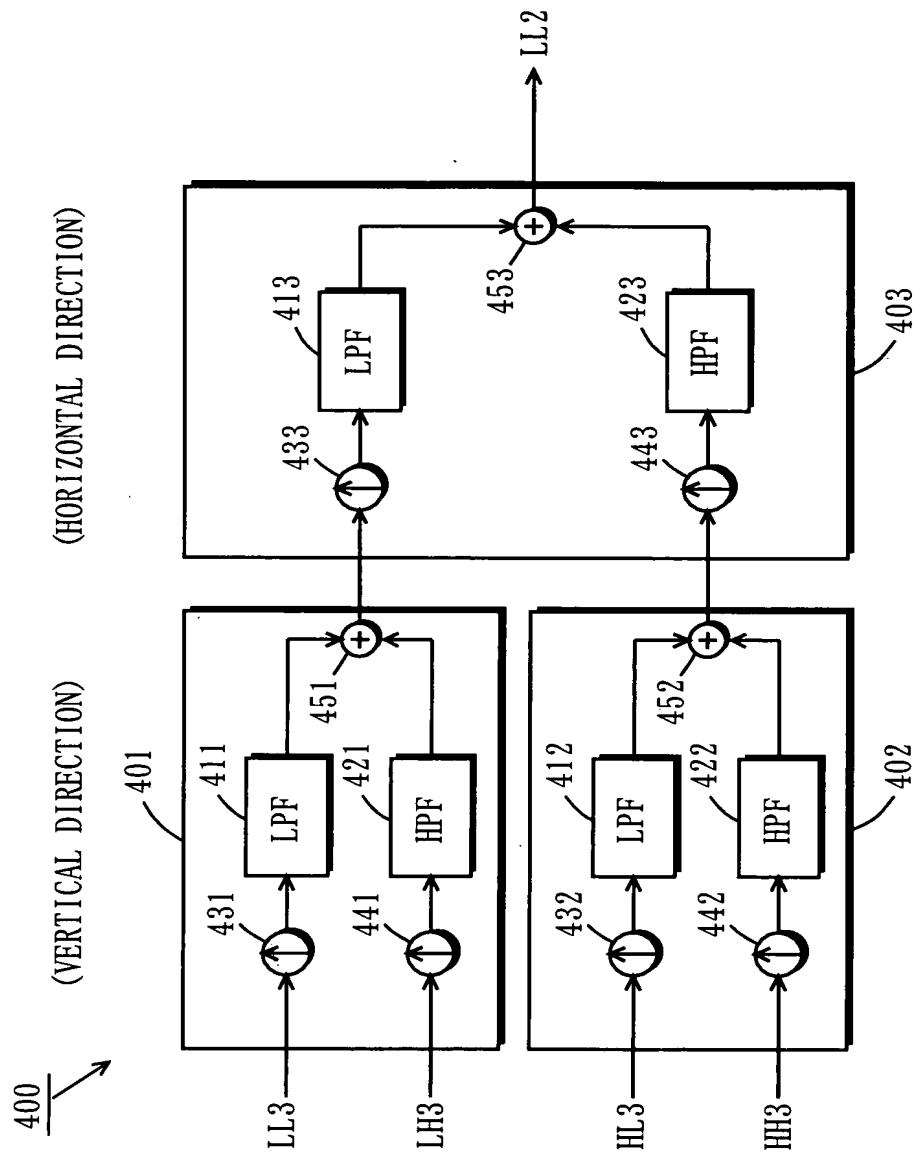
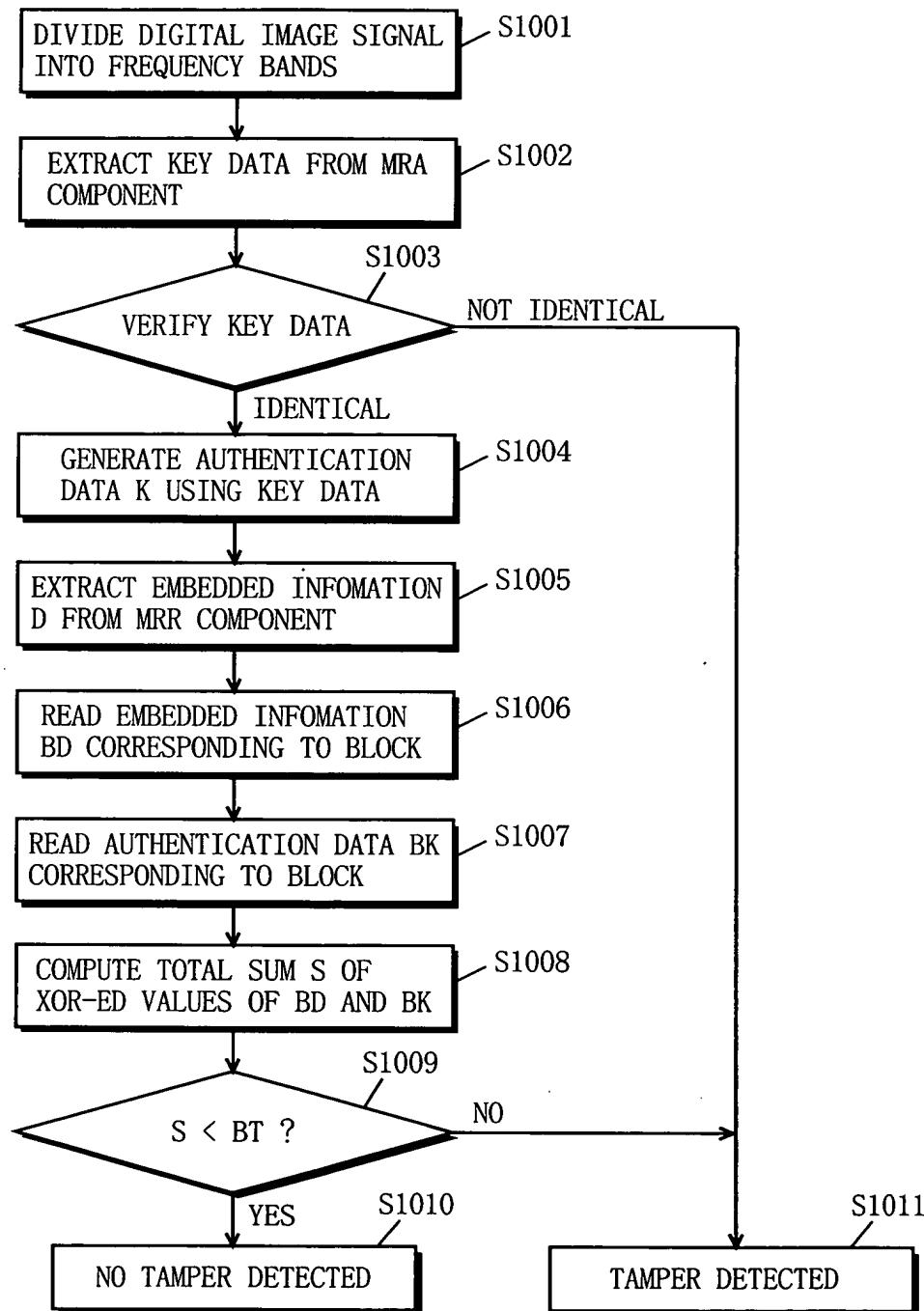


FIG. 8

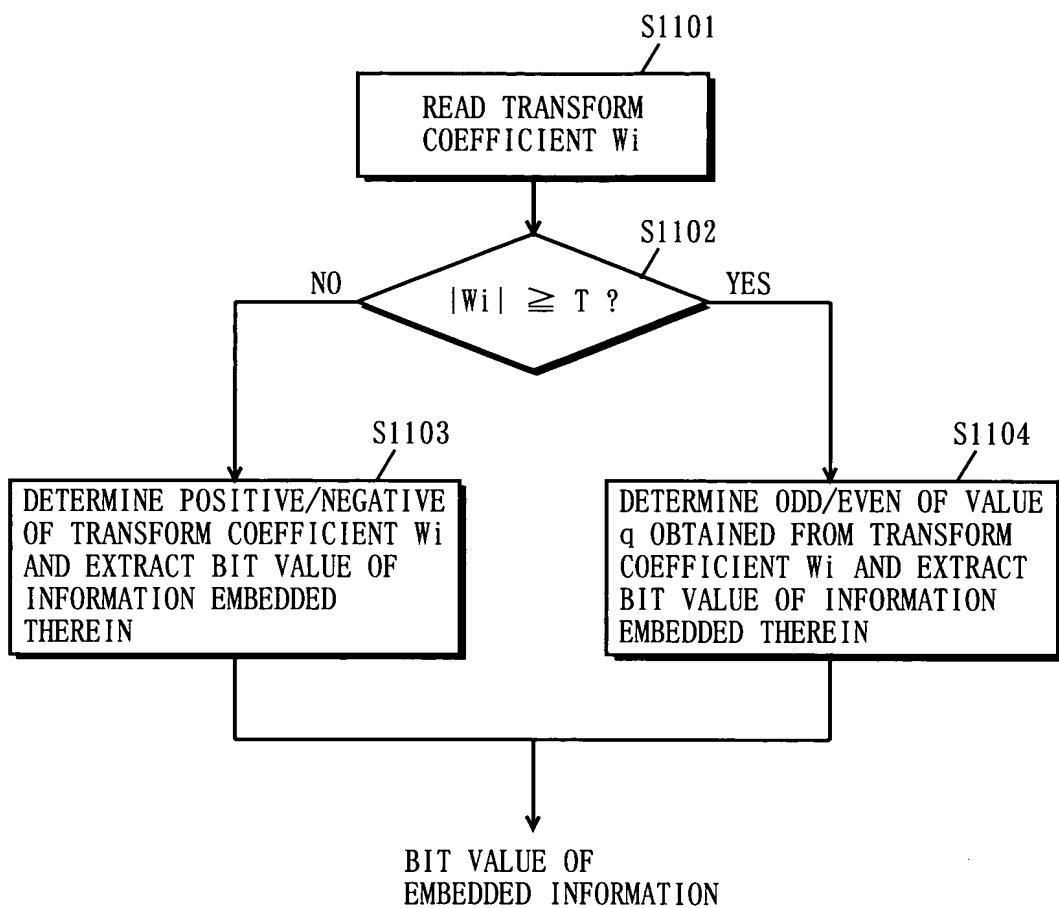




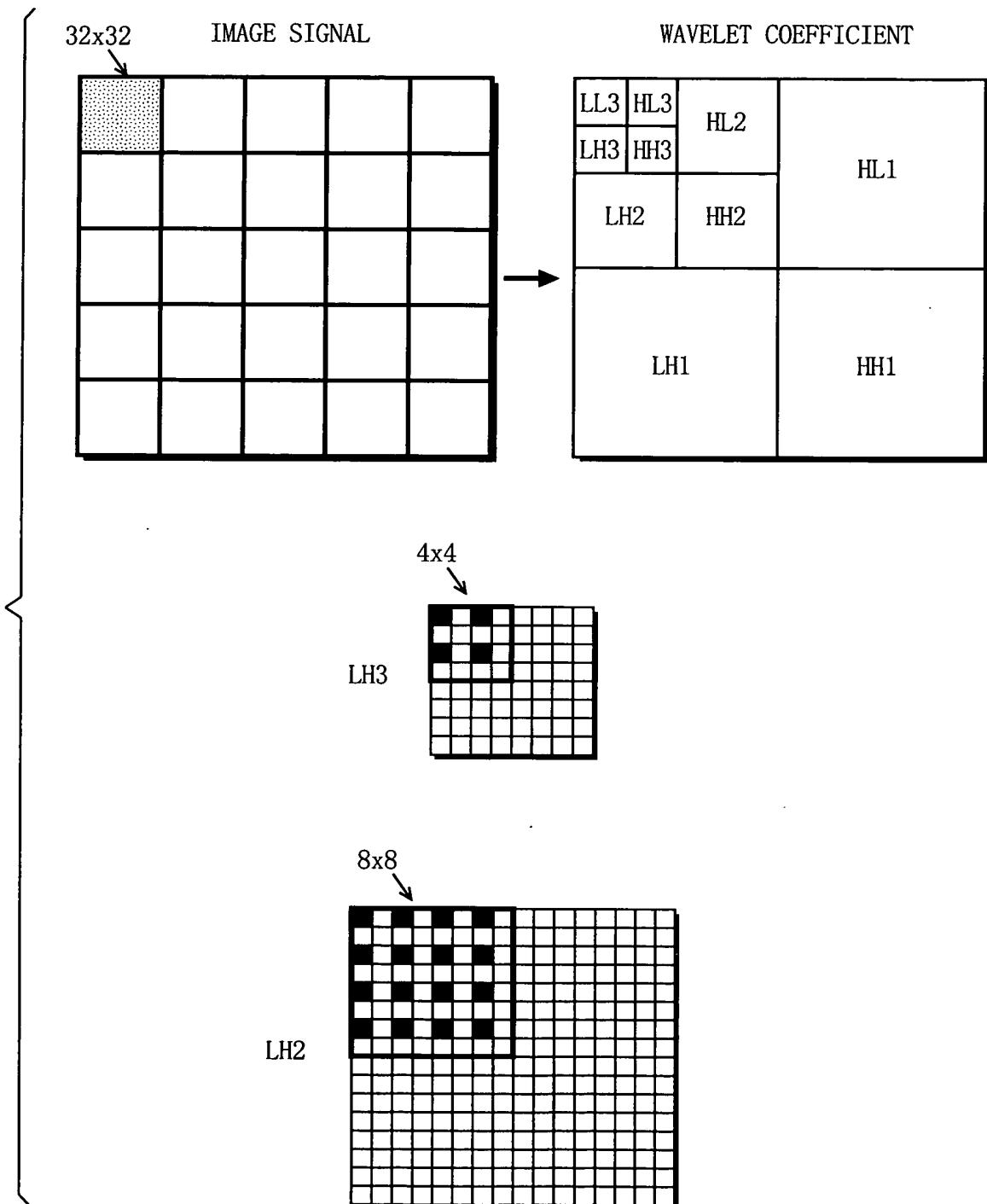
F I G. 1 0



F I G. 1 1



F I G. 1 2



F I G. 1 3

$$0 \times 0 = 0$$

$$0 \times 1 = 1$$

$$1 \times 0 = 1$$

$$1 \times 1 = 0$$

FIG. 14 PRIOR ART

